



H2Oaks Carrizo Monitoring Well Program Project
Solicitation Number: B-21-003-SM
Job No.: 21-8610

ADDENDUM 1
April 23, 2021

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

RESPONSES TO QUESTIONS

1. Section 004,1.3E, 4: Well Connection: States that if required, trench for electrical and water conveyance to connection point. There seems to be a bid item for electrical conduit and fittings but I do not see any bid items for trenching or water lines for conveyance to connection point. Please clarify.

Response: These wells won't be connected to a water system and will be stand-alone monitoring wells. There will be no trenching required.

2. Section 001, 4.2A: Temporary water: States that water is available at the Twin Oaks facility for drilling operations. However, for operations in Atascosa or Wilson Counties there is no guarantee that water can be made available by SAWS. How many of these wells are in Atascosa or Wilson County and if there are any could you provide a map of the proposed locations so that we can research, obtain and calculate the costs associated with transporting water to your locations?

Response: The wells will be located on the Twin Oaks property so water for drilling each of the wells will be available at one of the hydrants close to the Twin Oaks (H2Oaks) headquarters.

3. Section 005, 2.5E: PVC Casing: These wells are much deeper than the wells on the mitigation contract and as such there are more possibilities of issues arising from the construction of these wells. Specifically is the utilization of PVC casing and trying to prevent distortion of the casing by the heat generated during the cementing procedure. At 300' it is much easier to circulate fluid for cooling versus 800'. We would ask SAWS to consider an alternate casing material for these deeper wells such as steel or stainless.

Response: We acknowledge the difficulty this can pose during the cementing operation. These monitoring wells will be used for water quality sampling and we prefer the wells we sample for water quality to be constructed with PVC casing. The use of bentonite grout, with cement plugs above the gravel, and at the top of the well, will be allowed.

The last monitoring well we drilled on the plant (Well Report #293322) was constructed with PVC casing to a depth of 810' and graveled up to 605', with screens from 640'-720', a blank from 720'-740', screens from 740'-800', and a 10' sump from 800'-810' (Annular Seal Data for that well below). These wells will likely be similar and constructed to a similar depth. We likely have more depth in this contract than is needed.

Annular Seal Data: 1st Interval: **From 605 ft to 20 ft with 210 sks grout (#sacks and material)**
2nd Interval: **From 20 ft to 0 ft with 15 sks cement (#sacks and material)**
3rd Interval: **No Data**
Method Used: **External pressured method**
Cemented By: **Alsay Incorporated**
Distance to Septic Field or other Concentrated Contamination: **No Data**
Distance to Property Line: **50 ft**
Method of Verification: **Tape**
Approved by Variance: **No Data**

4. There is reference to temporary site fencing to prevent livestock or unauthorized human access. Will any of the sites proposed require this?

Response: The wells will be located on the Twin Oaks (H2Oaks) facility. Several landowners run cows on the property so temporary site fencing will likely be needed for each well, or arrangements will need to be made with the owners of the cows. Contractors have used T posts and barb wire or similar in the past.

END OF ADDENDUM

This Addendum is 2 pages in its entirety.



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